

FIG. 1

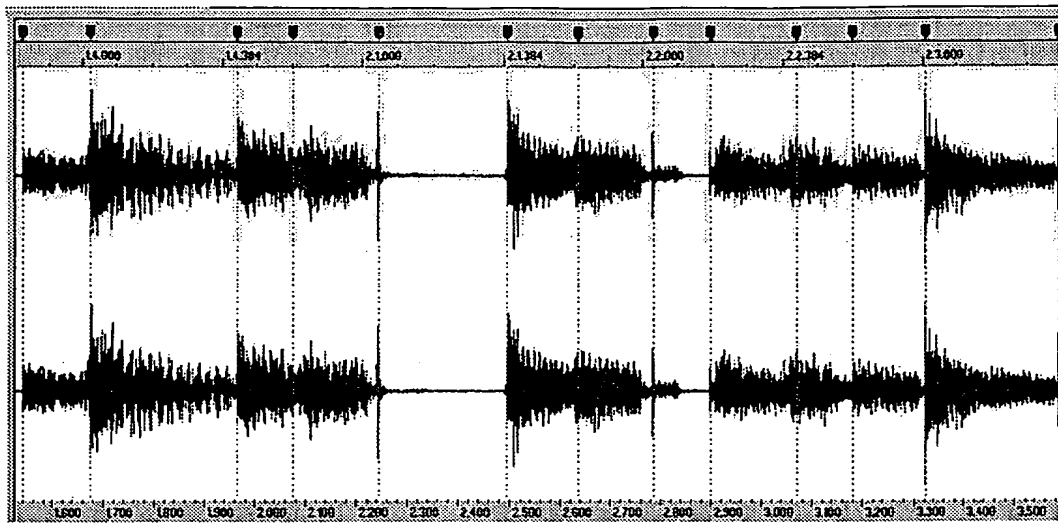


FIG. 2A

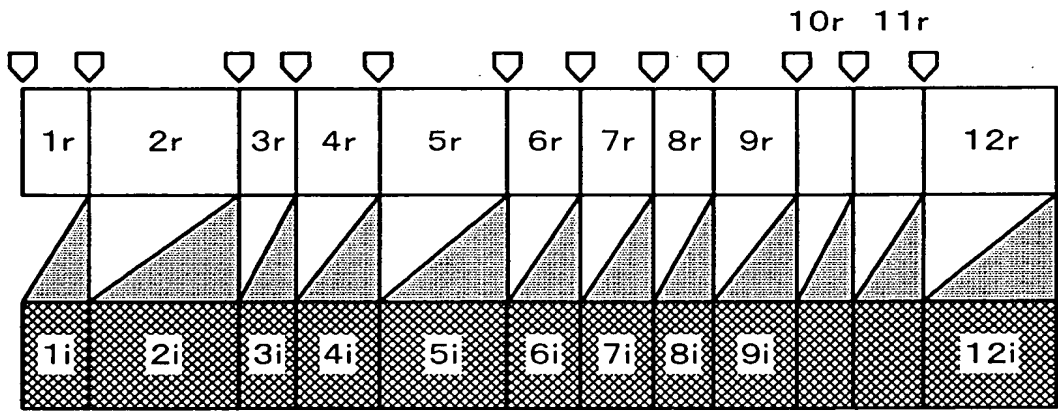


FIG. 2B

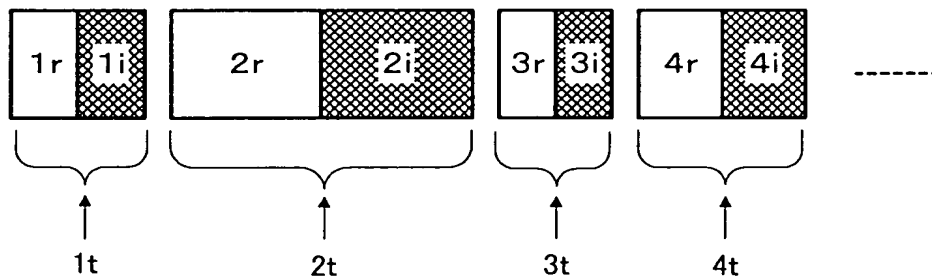


FIG. 2C

209FTD" E6T500F

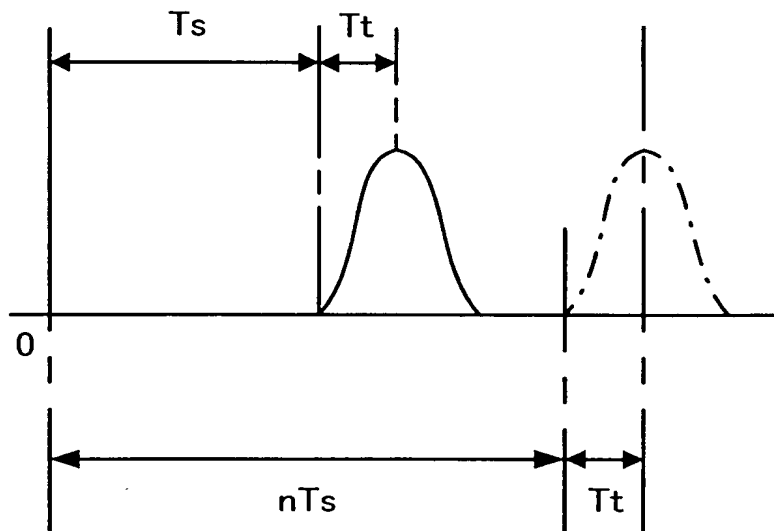


FIG. 3A

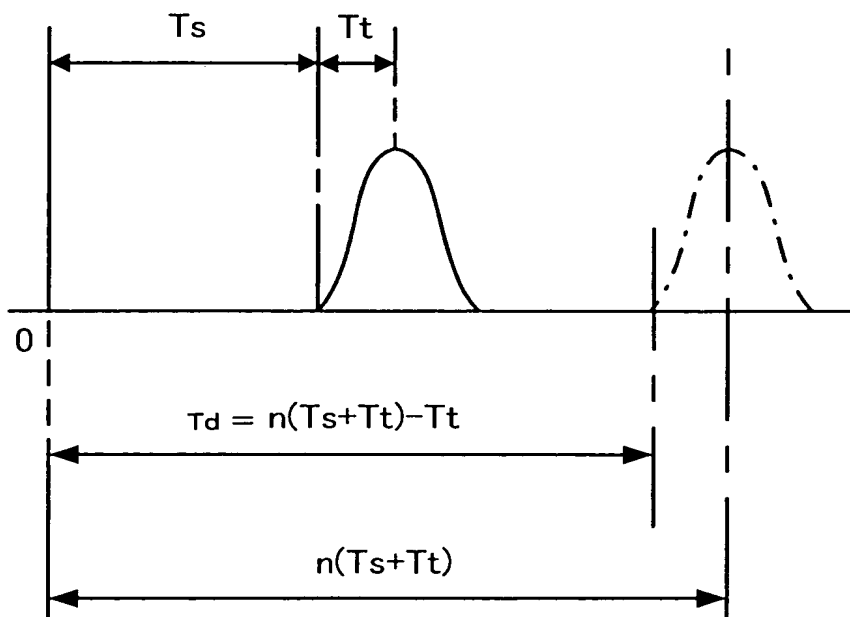


FIG. 3B

209790-01602

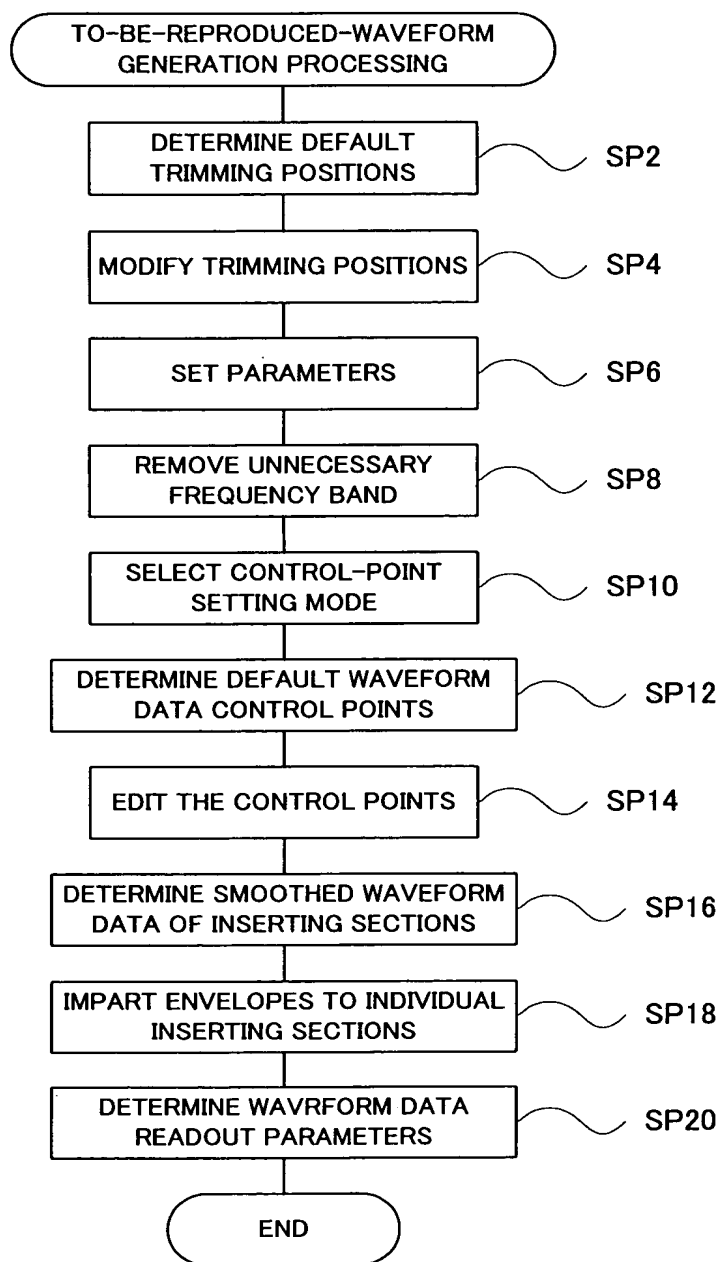


FIG. 4

2051973-011602

INPUT SIGNAL

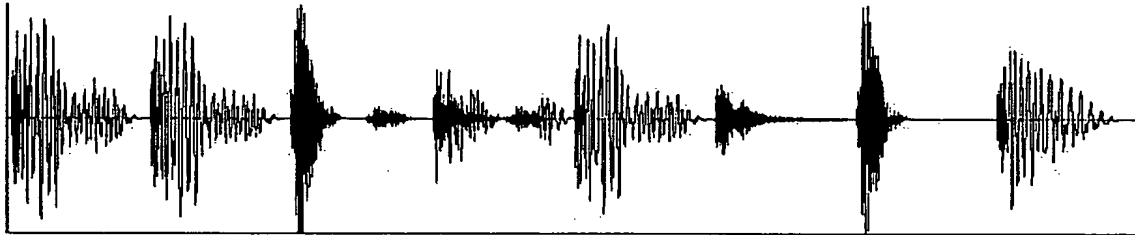


FIG. 5 A

RESULT OF UNNECESSARY FREQUENCY BAND REMOVAL

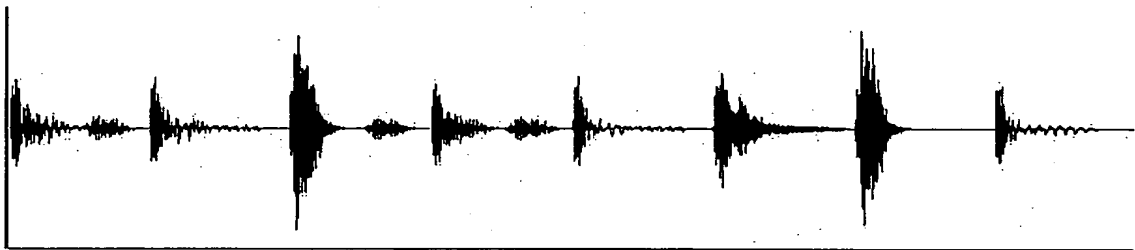


FIG. 5 B

nr

ni

(n+1)r

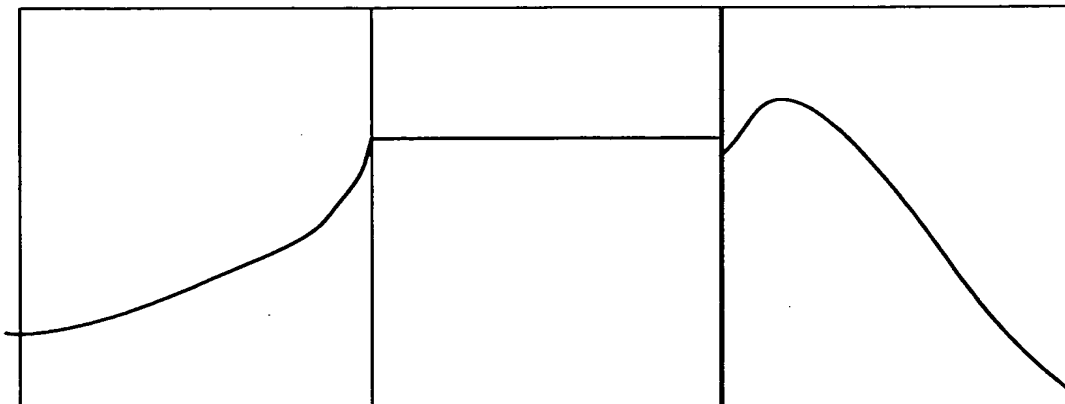
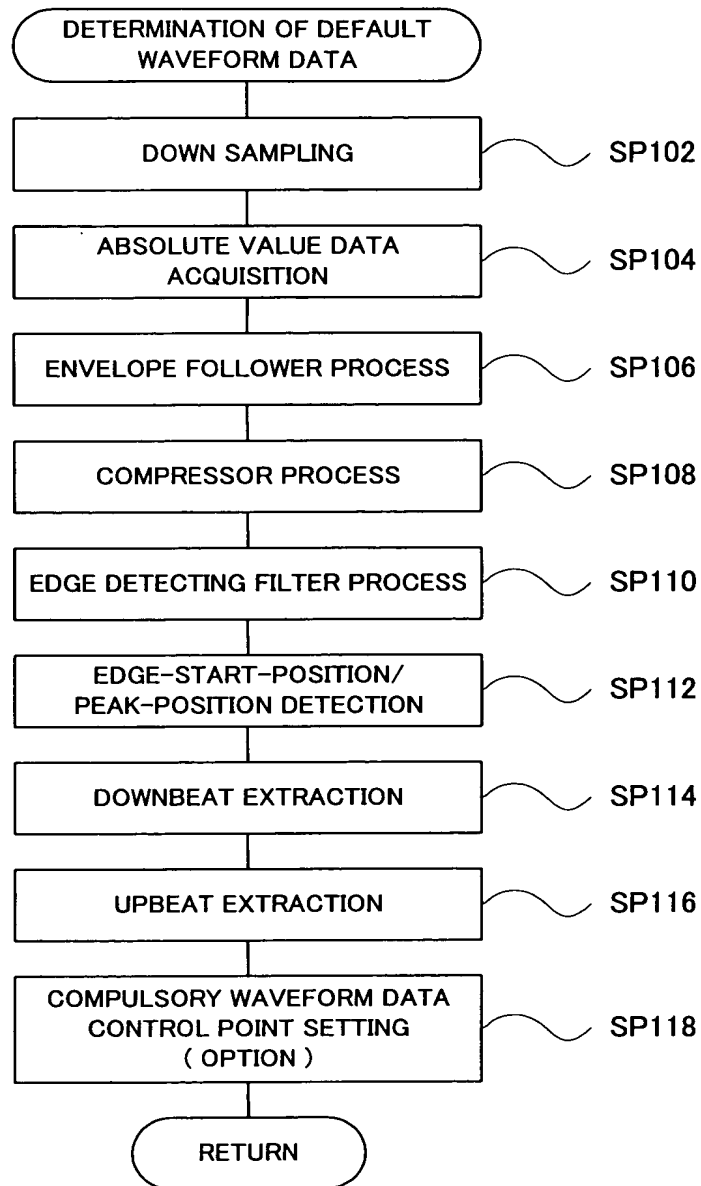


FIG. 15

20970 E46T5002 10051973.011602

(CONTROL POINTS STEP SP12)



F I G . 6

2025.10.13 10:16:02

ABSOLUTE VALUE



FIG. 7A

RESULT OF ENVELOPE FOLLOWER PROCESS

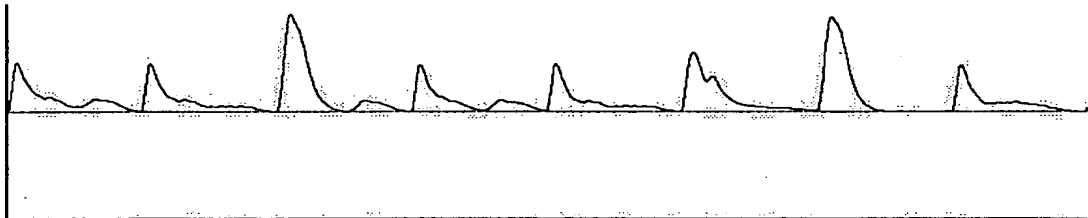


FIG. 7B

RESULT OF LOW-PASS FILTER PROCESS

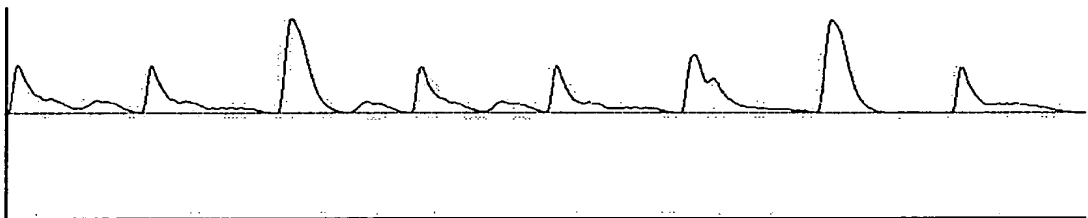


FIG. 7C

RESULT OF COMPRESSOR PROCESS



FIG. 7D

10051973.041600

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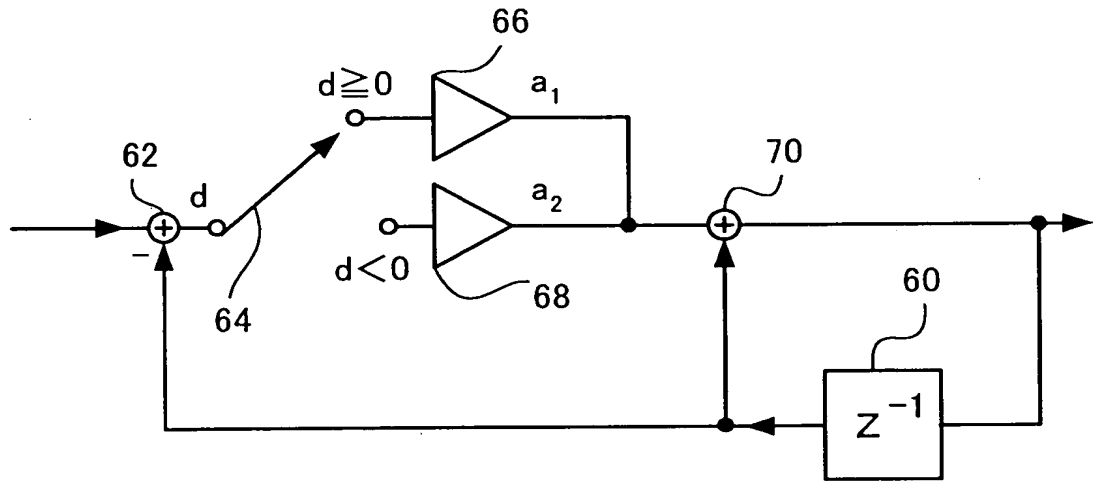


FIG. 8

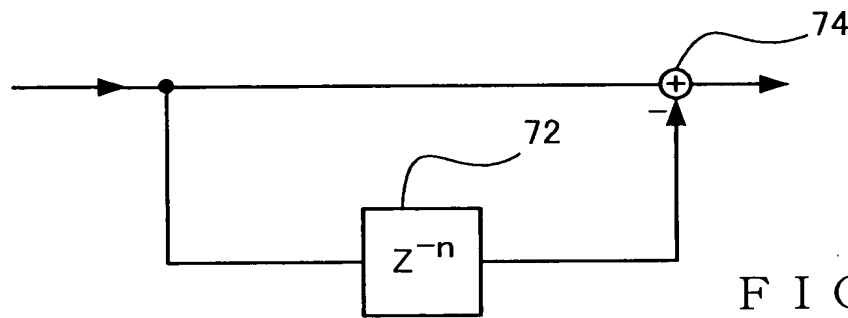


FIG. 9A

INPUT SIGNAL



FIG. 9B

DELAYED/INVERTED
SIGNAL



FIG. 9C

OUTPUT SIGNAL

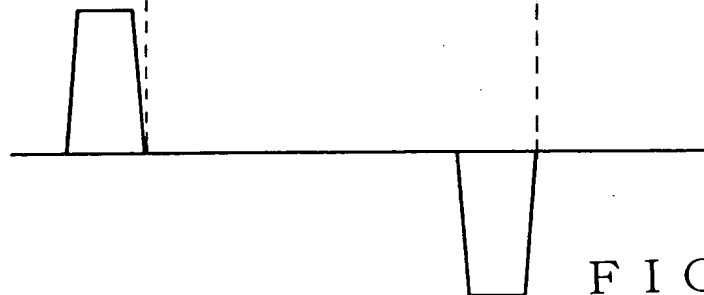


FIG. 9D

209707 E6T500T

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RESULT OF EDGE EXTRACTION



FIG. 10A

EDGE INFORMATION

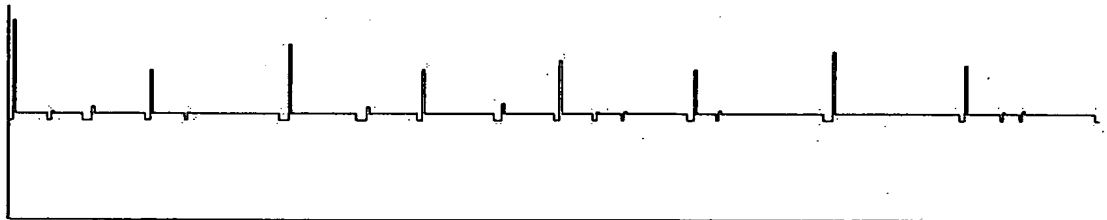


FIG. 10B

DOWNBEAT DETECTING WINDOW

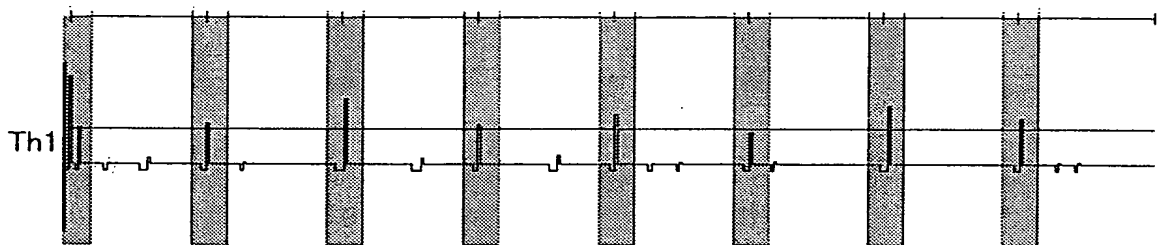


FIG. 10C

RESULT OF DOWNBEAT DETECTION

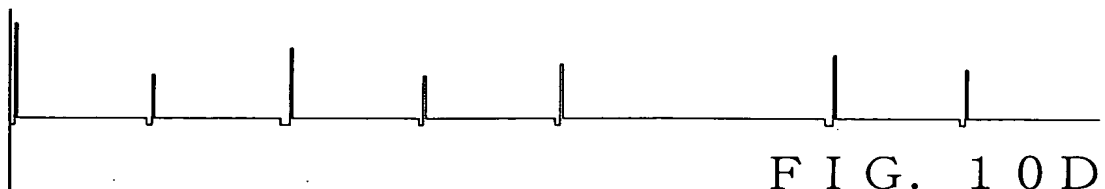


FIG. 10D

209770" E 267500T

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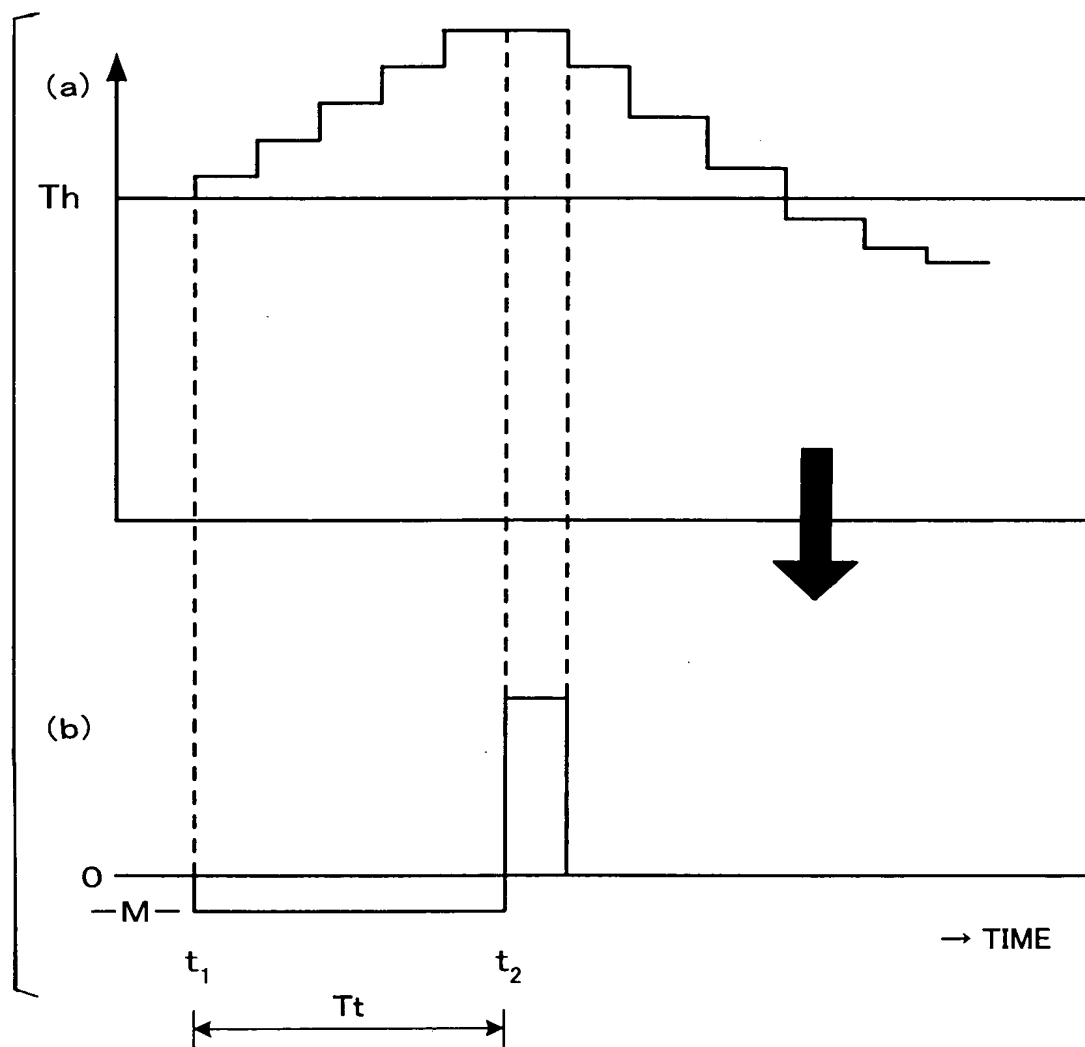
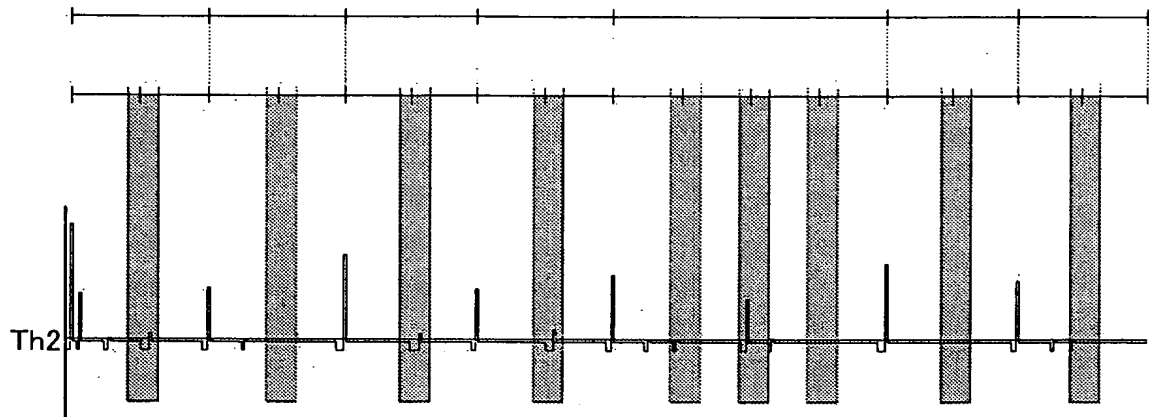


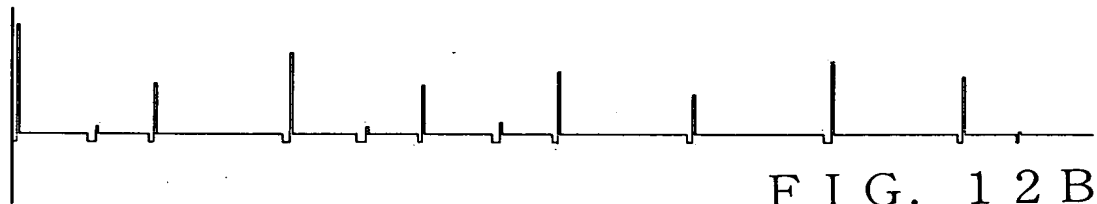
FIG. 11

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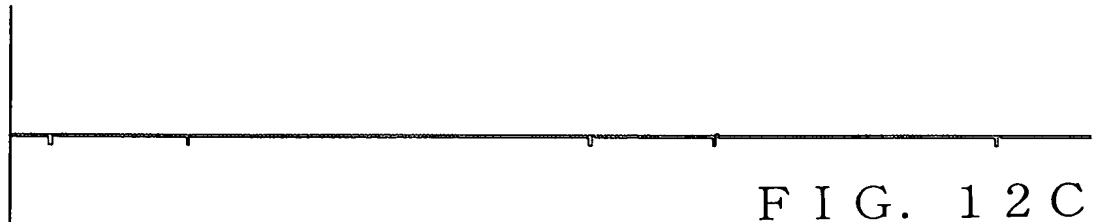
UPBEAT DETECTING WINDOW



RESULT OF DOWNBEAT & UPBEAT DETECTION



EDGE INFORMATION EXCLUDED FROM DETECTING WINDOW



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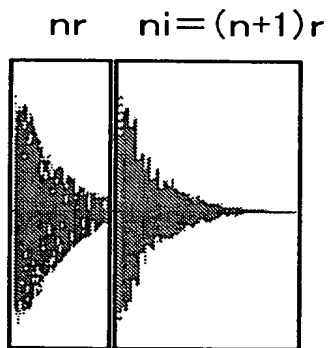


FIG. 13 A



FIG. 13 B

nr

ni

$(n+1)r$

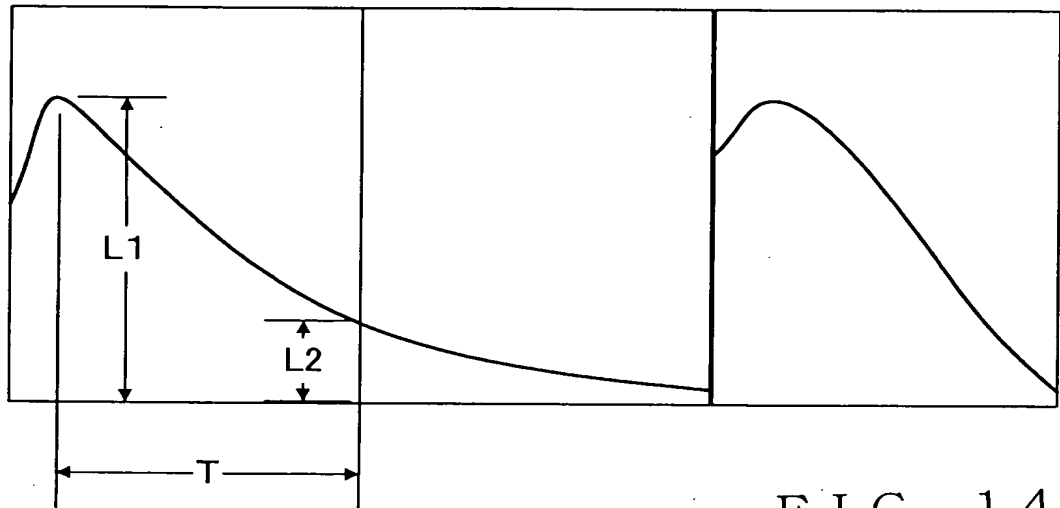


FIG. 14

2051973-011602

WAVEFORM-DATA-GENERATION- START TRIGGERING CLOCK COUNT	WAVEFORM DATA	RISING TIME T_t [msec]
0	1t	0
28	2t	30
74	3t	40
:	:	:
349	11t	20
370	12t	10

FIG. 16

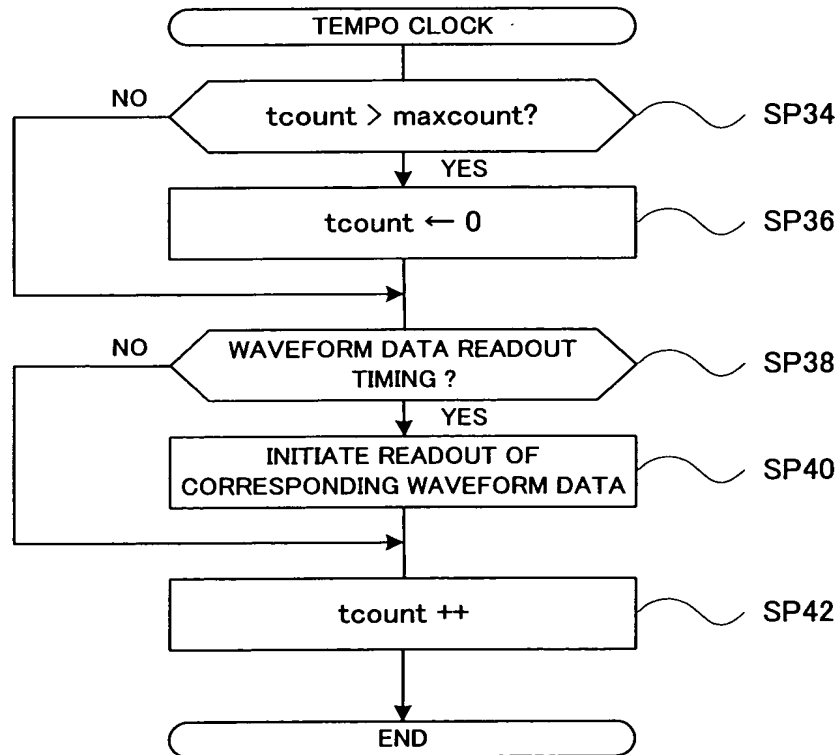


FIG. 17

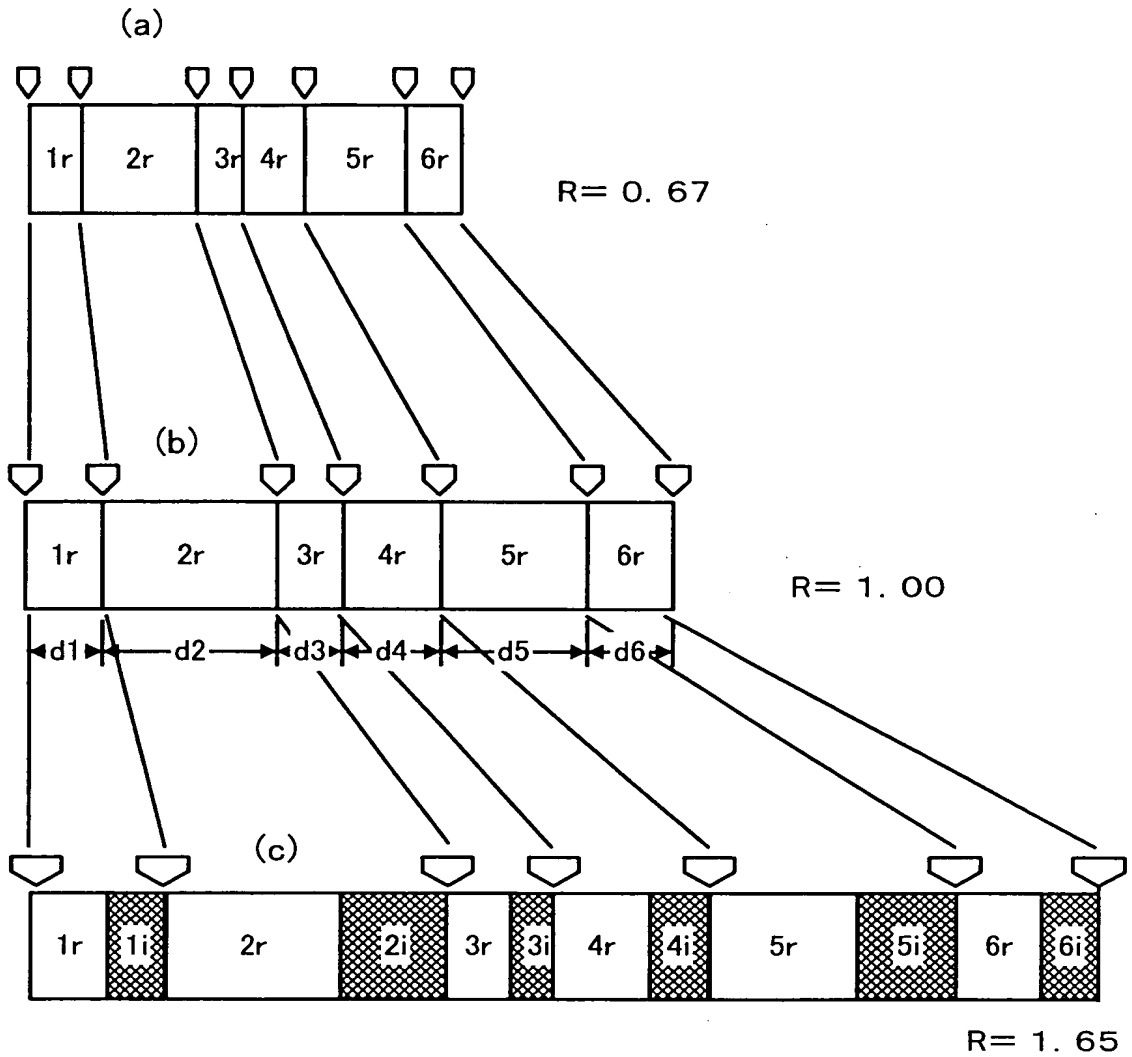


FIG. 18

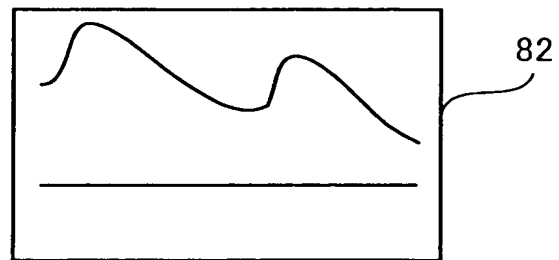
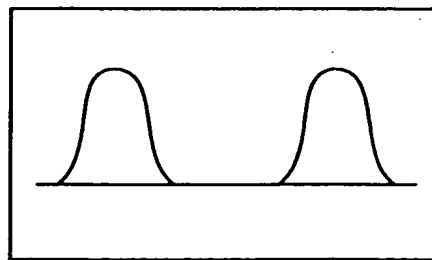


FIG. 19

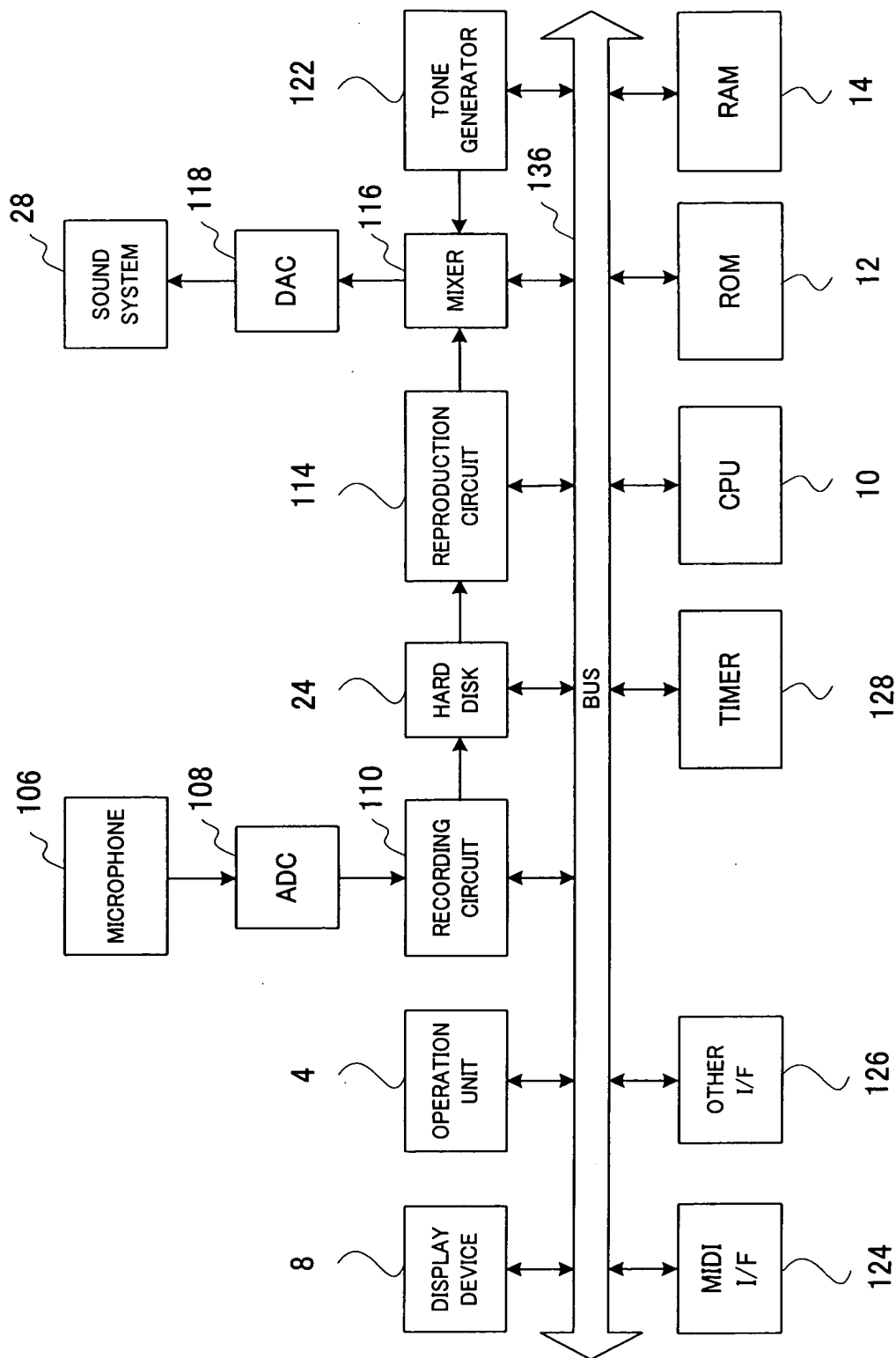


FIG. 20

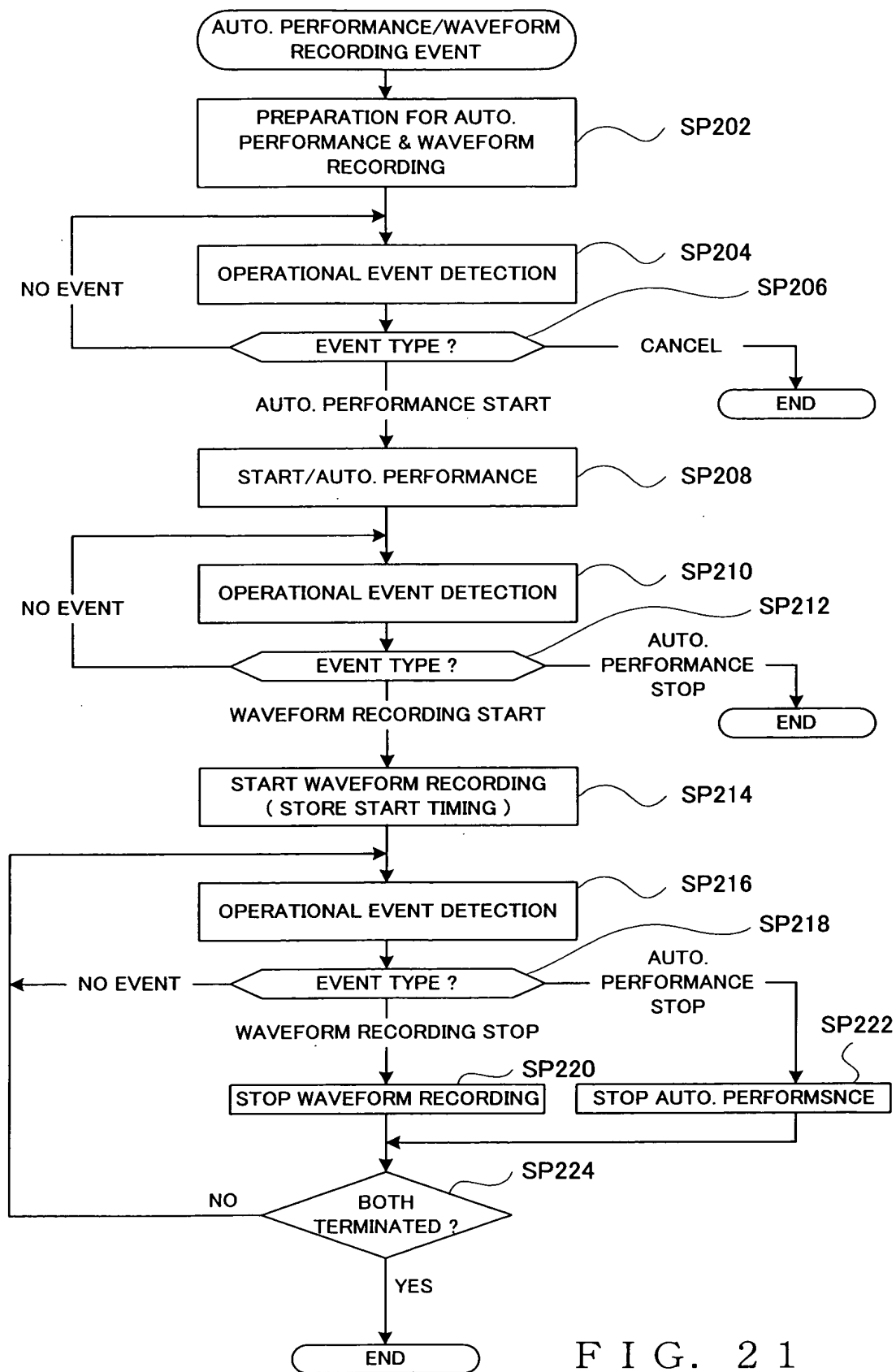


FIG. 21

20910" E/615001

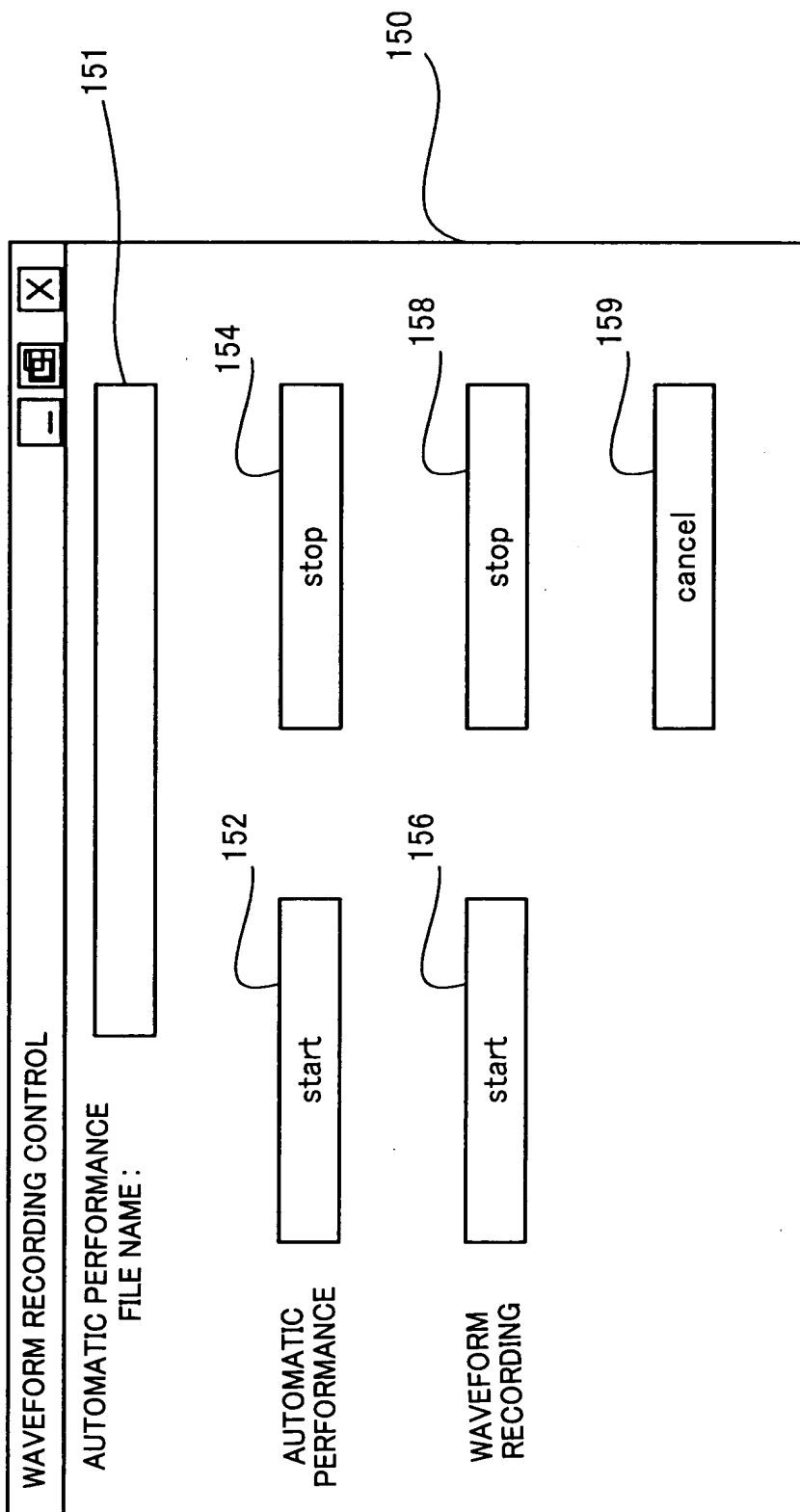


FIG. 22

AUTOMATIC PERFORMANCE DATA

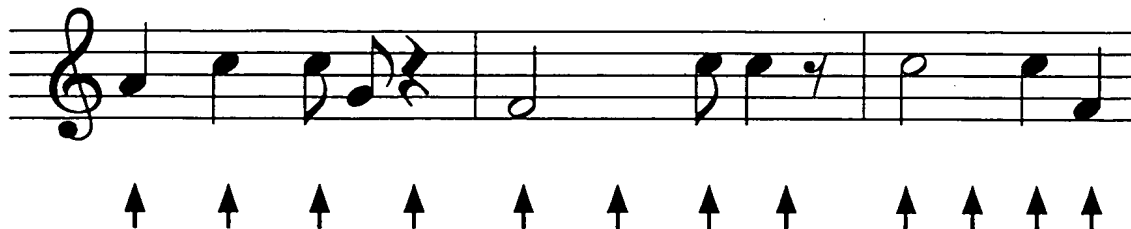


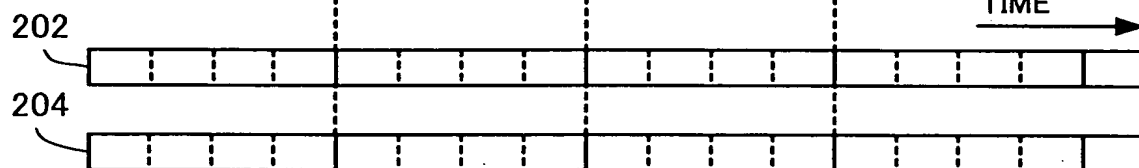
FIG. 23A

PHRASE WAVEFORM DATA



FIG. 23B

AUTOMATIC PERFORMANCE TRACK



WAVEFORM TIMING TRACK

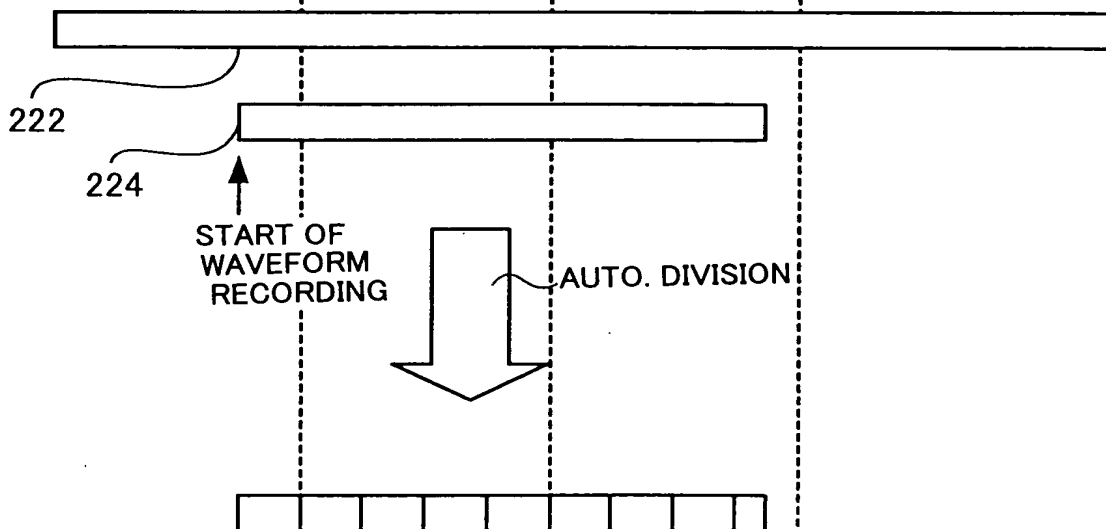


FIG. 23C

10051973-011602

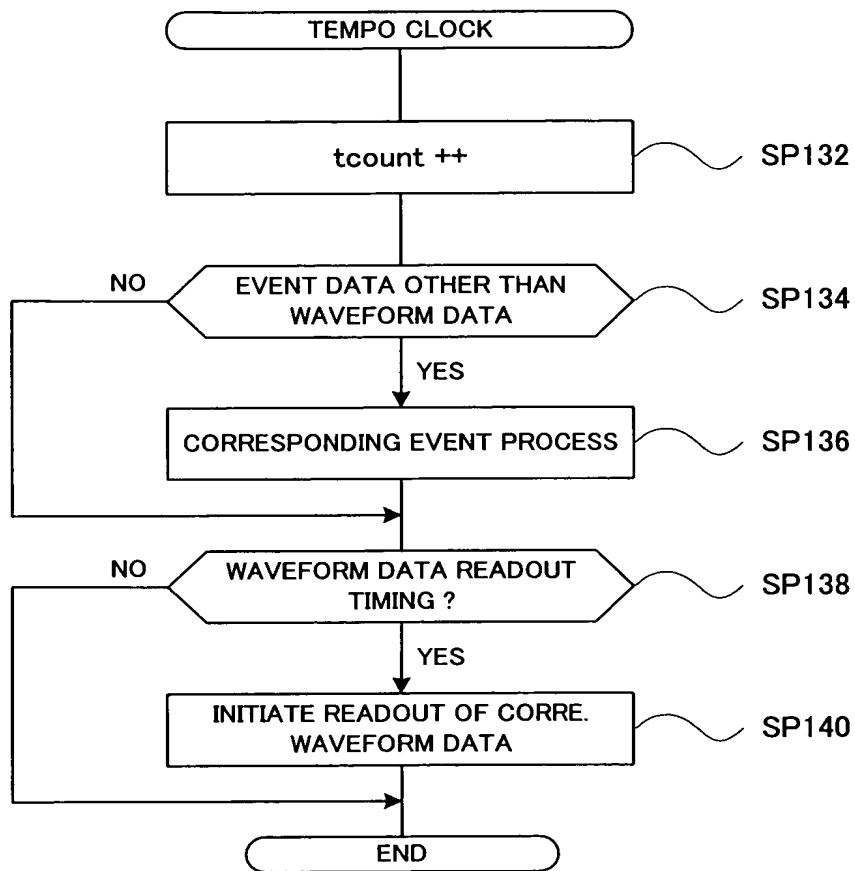


FIG. 24

209110 E/65001